

Project Title	Funding	Strategic Plan Objective	Institution
Whole Brain Mapping of the Effects of Intranasal Oxytocin in CNTNAP2 KO Mouse Model of Autism	\$0	Q4.Other	Cold Spring Harbor Laboratory
Vicarious neural activity, genetic differences and social fear learning	\$53,942	Q4.S.B	Oregon Health & Science University
Using induced-pluripotent stem cells to study Phelan McDermid Syndrome	\$0	Q4.S.B	Stanford University School of Medicine
Understanding copy number variants associated with autism	\$250,000	Q4.S.B	Duke University Medical Center
Training in translational social neuroscience	\$98,163	Q4.S.B	Emory University
Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders	\$217,125	Q4.S.B	University of Tennessee Health Science Center
The role of glutamate receptor interacting proteins in autism	\$249,999	Q4.S.B	Johns Hopkins University School of Medicine
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	University of California, San Francisco
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	Salk Institute for Biological Studies
Temporally controlled genetic rescue of Shank3 autism model	\$60,000	Q4.S.B	University of Texas Southwestern Medical Center
Synaptic pathophysiology of 16p11.2 model mice	\$250,000	Q4.S.B	Massachusetts Institute of Technology
Studying the neural development of patient-derived stem cells	\$62,500	Q4.S.B	Johns Hopkins University School of Medicine
Studies of genetic and metabolic disorders, autism and premature aging	\$1,446,354	Q4.S.B	National Institutes of Health
Striatal synaptic abnormalities in models of autism	\$381,600	Q4.S.B	University of Texas Southwestern Medical Center
Small-molecule compounds for treating autism spectrum disorders	\$175,000	Q4.S.B	University of North Carolina at Chapel Hill
Serotonin, autism, and investigating cell types for CNS disorders	\$235,867	Q4.S.B	Washington University in St. Louis
Roles of oxytocin and vasopressin in brain	\$1,496,471	Q4.S.B	National Institutes of Health
Role of UBE3A in neocortical plasticity and function	\$77,686	Q4.S.B	University of North Carolina at Chapel Hill
Role of RAS/RAF/ERK pathway in pathogenesis and treatment of autism	\$0	Q4.S.B	New York State Institute for Basic Research in Developmental Disabilities
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	\$0	Q4.S.B	University of California, Los Angeles
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	\$79,675	Q4.S.B	King's College London
Role of Caspr2 (CNTNAP2) in brain circuits- Core	\$89,999	Q4.S.B	Weizmann Institute of Science
Role of cadherin 8 in assembling circuits in the prefrontal cortex	\$62,376	Q4.S.B	Mount Sinai School of Medicine
Role of astrocytic glutamate transporter GLT1 in fragile X	\$0	Q4.S.B	Tufts University
Reversing BDNF impairments in Rett mice with TRPC channel activators	\$256,375	Q4.S.B	University of Alabama at Birmingham
Rat knockout models of ASD	\$0	Q4.S.B	Baylor College of Medicine

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Quantitative analysis of effect of autism-related genes on behavioral regulation	\$0	Q4.S.B	University of California, San Francisco
PsychoGenics Inc.	\$312,375	Q4.S.B	PsychoGenics Inc.
Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism	\$58,900	Q4.S.B	University of Texas Southwestern Medical Center
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina at Chapel Hill
Preclinical Autism Consortium for Therapeutics (PACT)-Boston Children's Hospital Site	\$91,174	Q4.S.B	Boston Children's Hospital
Preclinical Autism Consortium for Therapeutics (PACT)-Boston Children's Hospital	\$172,009	Q4.S.B	Boston Children's Hospital
Preclinical Autism Consortium for Therapeutics (PACT) at Baylor College of Medicine	\$98,351	Q4.S.B	Baylor College of Medicine
Preclinical Autism Consortium for Therapeutics (PACT)	\$200,894	Q4.S.B	University of California, Davis
Preclinical Autism Consortium for Therapeutics	\$94,331	Q4.S.B	University of California, Davis
Piloting treatment with insulin-like growth Factor-1 in Phelan-McDermid syndrome	\$366,363	Q4.L.A	Mount Sinai School of Medicine
Perinatal choline supplementation as a treatment for autism	\$0	Q4.S.B	Boston University
Oxytocin receptors and social behavior	\$422,748	Q4.S.B	Emory University
Optical imaging of circuit dynamics in autism models in virtual reality	\$0	Q4.S.B	Harvard Medical School
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	\$0	Q4.S.B	University of Texas Health Science Center at San Antonio
Novel genetic models of autism	\$415,328	Q4.S.B	University of Texas Southwestern Medical Center
Novel approaches to enhance social cognition by stimulating central oxytocin release	\$119,499	Q4.S.B	Emory University
Neurologin function in vivo: Implications for autism and mental retardation	\$373,032	Q4.S.B	University of Texas Southwestern Medical Center
Neurobiological signatures of social dysfunction and repetitive behavior	\$374,400	Q4.S.B	Vanderbilt University Medical Center
Neural and cognitive mechanisms of autism	\$0	Q4.S.B	Massachusetts Institute of Technology
Modeling the serotonin contribution to autism spectrum disorders	\$222,643	Q4.S.B	Vanderbilt University Medical Center
Misregulation of microtubule dynamics in Autism	\$60,000	Q4.S.B	Drexel University
Mechanisms of stress-enhanced aversive conditioning	\$366,000	Q4.S.B	Northwestern University

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Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model	\$60,000	Q4.S.B	University of California, Los Angeles
Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds	\$197,609	Q4.S.B	University of Massachusetts Medical School
Investigating the effects of chromosome 22q11.2 deletions	\$150,000	Q4.S.B	Columbia University
Integrative system biology of iPSC-induced neurons for identifying novel drug targets	\$56,900	Q4.S.B	Baylor College of Medicine
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	\$277,269	Q4.S.B	University of California, San Francisco
Identifying therapeutic targets for autism using Shank3-deficient mice	\$466,151	Q4.S.B	Mount Sinai School of Medicine
Identifying high-impact therapeutic targets for autism spectrum disorders using rat models	\$137,173	Q4.S.B	Mount Sinai School of Medicine
Functional study of synaptic scaffold protein SHANK3 and autism mouse model	\$0	Q4.S.B	Duke University
Functional consequences of disrupted MET signaling	\$0	Q4.S.B	Children's Hospital Los Angeles
Functional analysis of rare variants in genes associated with autism	\$146,625	Q4.S.B	Yale University
Exploring VIPR2 microduplication linkages to autism in a mouse model	\$60,000	Q4.S.B	University of California, Los Angeles
Exploring the neuronal phenotype of autism spectrum disorders using induced pluri	\$180,391	Q4.S.B	Stanford University
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	\$0	Q4.S.B	University of Pennsylvania
Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder	\$28,600	Q4.S.B	Vanderbilt University
Establishing next-generation tools for quantitative behavioral phenotyping	\$0	Q4.S.B	Harvard Medical School
Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes	\$50,600	Q4.S.B	University of North Carolina at Chapel Hill
Effects of chronic intranasal oxytocin	\$526,020	Q4.S.B	University of California, Davis
Effect of abnormal calcium influx on social behavior in autism	\$62,500	Q4.S.B	University of California, San Francisco
Dissecting the circuits underlying autism-like behaviors in mice	\$175,000	Q4.S.B	Massachusetts Institute of Technology
Deficits in tonic inhibition and the pathology of autism spectrum disorders	\$62,500	Q4.S.B	Tufts University
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	\$148,914	Q4.S.B	Massachusetts General Hospital

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Comprehensive Phenotyping of Autism Mouse Models	\$416,495	Q4.S.B	The University of Pennsylvania
Characterization of the schizophrenia-associated 3q29 deletion in mouse	\$528,118	Q4.S.B	Emory University
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	\$0	Q4.S.B	Duke University
Characterization of brain and behavior in 7q11.23 duplication syndrome-Project 1	\$90,713	Q4.S.B	University of California, Davis
Characterization of brain and behavior in 7q11.23 duplication syndrome-Core	\$164,853	Q4.S.B	University of Toronto
Cerebellar signaling in mouse models of autism	\$125,000	Q4.S.B	Northwestern University
Cellular and molecular pathways of cortical afferentation in autism spectrum disorders	\$45,000	Q4.S.B	University of Geneva
Cell type-specific profiling for autism spectrum disorders	\$0	Q4.S.B	Columbia University
Biomarker discovery for low sociability: A monkey model	\$62,500	Q4.S.B	Stanford University
A novel translational model of autism spectrum disorder	\$267,750	Q4.S.B	Emory University
Animal model of speech sound processing in autism	\$239,188	Q4.S.B	University of Texas at Dallas
A mouse model of top-down interactions	\$0	Q4.S.B	The Rockefeller University
Adverse prenatal environment and altered social and anxiety-related behaviors	\$15,000	Q4.S.B	University of Pennsylvania
2013 Dup15q Alliance Scientific Meeting Support	\$5,000	Q4.S.E	Dup15q Alliance
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	\$200,000	Q4.S.B	University of California, Davis
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	\$200,000	Q4.S.B	Stanford University
16p11.2: Defining the gene(s) responsible (grant 1)	\$104,190	Q4.S.B	Cold Spring Harbor Laboratory
16p11.2: defining the gene(s) responsible	\$175,000	Q4.S.B	Cold Spring Harbor Laboratory

